

CONTENTS

Volume 27, 1960

AGNEW, RALPH PALMER. Convergence of orthogonal series.....	127
ANSELONE, PHILIP M. Ergodic theory for discrete semi-Markov chains....	33
BEESSACK, PAUL R. Linear differential equations and convex mappings....	483
BELLMAN, RICHARD AND LEHMAN, SHERMAN. Functional equations in the theory of dynamic programming—X: Resolvents, characteristics functions and values.....	55
BISHOP, ERRETT. Boundary measures of analytic differentials.....	331
BRAUER, ALFRED. Stochastic martices with a non-trivial greatest positive root.....	291
CARLITZ, L. Eulerian numbers and polynomials of higher order.....	401
CARLITZ, L. Multiplication formulas for generalized Bernoulli and Euler polynomials.....	537
CARLITZ, L. Some congruences involving sums of binomial coefficients....	77
CARLITZ, L. Some formulas of Jensen and Gould.....	319
CARLITZ, L. Some orthogonal polynomials related to elliptic functions....	443
CARLITZ, L. Some special functions over $GF(q, x)$	139
CHANG, CHEN CHUNG AND MOREL, ANNE C. Some cancellation theorems for ordinal products of relations.....	171
CHURCH, PHILIP T. AND HEMMINGSEN, ERIK. Light open maps on n -manifolds.....	527
COHEN, ECKFORD. The characteristic divisors of a polynomial function of a matrix.....	159
COLES, W. J. A general Wirtinger-type inequality.....	133
COLLINS, H. S. Primitive idempotents in the semigroup of measures.....	397
CONNER, P. E. Retraction properties of the orbit space of a compact topological transformation group.....	341
CRONIN, JANE. The number of periodic solutions of non-autonomous systems.....	183
DEAN, DAVID AND RAIMI, RALPH A. Permutations with comparable sets of invariant means.....	467

DEBRUNNER, HANS AND FOX, RALPH. A mildly wild imbedding of an n -frame	425
DUFFIN, R. J. AND SHAFFER, D. H. Asymptotic expansion of double Fourier transforms.....	581
EDREI, ALBERT AND FUCHS, WOLFGANG H. J. The deficiencies of meromorphic functions of order less than one.....	233
FINE, N. J. AND FEIT, WALTER. Pairs of commuting matrices over a finite field	91
FEIT, WALTER AND FINE, N. J. Pairs of commuting matrices over a finite field	91
FOX, RALPH AND DEBRUNNER, HANS. A mildly wild imbedding of an n -frame	425
FUCHS, WOLFGANG H. J. AND EDREI, ALBERT. The deficiencies of meromorphic functions of order less than one.....	233
GERSTENHABER, MURRAY AND YANG, C. T. Division rings containing a real closed field.....	461
GERSTENHABER, MURRAY. On nilalgebras and linear varieties of nilpotent matrices. II.....	21
GOLDBERG, RICHARD R. Convolutions and general transforms on L^p	251
GOLDMAN, A. J. AND STONE, J. J. A continuous poker game.....	41
GORDON, HUGH. Decomposition of linear functionals on Riesz spaces.....	597
GOULD, H. W. Generalization of a theorem of Jensen concerning convolutions.....	71
GREEVER, JOHN. Stationary points for finite transformation groups.....	163
HAHN, F. J. Some embeddings, recurrence properties, and the Birkhoff-Markov theorem for transformation groups.....	513
HALBERG, CHARLES J. A., JR. AND KRAMER, VERNON A. A generalization of the trace concept.....	607
HEMMINGSEN, ERIK AND CHURCH, PHILIP T. Light open maps on n -manifolds.....	527
HUNTER, R. P. Certain upper semi-continuous decompositions of a semigroup.....	283
ISBELL, J. R. Natural sums and direct decompositions	507
ISEKI, SHÔ. A generalization of a functional equation related to the theory of partitions	95

KNOPP, MARVIN ISADORE. Determination of certain roots of unity in the theory of automorphic forms of dimension zero.....	497
KOLETTIS, GEORGE, JR. Direct sums of countable groups.....	111
KRAMER, VERNON A. AND HALBERG, Charles J. A., JR. A generalization of the trace concepts.....	607
KUNIYOSHI, HIDEO. Cohomology groups of maximal orders of \mathfrak{p} -adic simple algebras.....	387
LEES, MILTON. A priori estimates for the solutions of difference approximations to parabolic partial differential equations.....	297
LEHMAN, SHERMAN AND BELLMAN, RICHARD. Functional equations in the theory of dynamic programming—X: Resolvents, characteristic functions and values.....	55
LOOMIS, L. H. Positive definite functions and induced representations....	569
MCCARTHY, P. J. Some irreducibility theorems for Bernoulli polynomials of higher order.....	313
MEWBORN, A. C. Generalizations of some theorems on positive matrices to completely continuous linear transformations on a normed linear space	273
MOREL, ANNE C. AND CHANG, CHEN CHUNG. Some cancellation theorems for ordinal products of relations.....	171
NEWMAN, DONALD J. Some results in spectral synthesis.....	359
OSTROWSKI, ALEXANDER AND SCHNEIDER, HANS. Bounds for the maximal characteristic root of a non-negative irreducible matrix.....	547
OWENS, O. G. A characterization in E^3 of the everywhere regular solution of the reduced wave equation.....	81
PENNINGTON, W. B. Widder's inversion formula for the Lambert transform	561
POLLAK, BARTH. The equation $lat = b$ in a quaternion algebra.....	261
POSNER, EDWARD C. Accumulability and infinite matrices.....	555
RAIMI, RALPH AND DEAN, DAVID. Permutations with comparable sets of invariant means.....	467
RINEHART, R. F. Elements of a theory of intrinsic functions on algebras	1
ROBINSON, STEWART M. Some properties of the fundamental solution of the parabolic equation	195
SCHNEIDER, HANS AND OSTROWSKI, ALEXANDER. Bounds for the maximal characteristic root of a non-negative irreducible matrix.....	547

SHAFFER, D. H. AND DUFFIN, R. J. Asymptotic expansion of double Fourier transforms.....	581
STONE, J. J. AND GOLDMAN, A. J. A continuous poker game.....	41
STRANG, W. GILBERT. Difference methods for mixed boundary-value problems.....	221
SUGUNAMMA, M. Eckford Cohen's generalizations of Ramanujan's trigonometrical sum $C(n, r)$	323
TRAMPUS, ANTHONY. Differentiability and analyticity of functions in linear algebras.....	431
TREYBIG, L. B. Separability in metric spaces.....	383
WAHAB, J. H. New cases of irreducibility for Legendre polynomials. II.	481
WARD, MORGAN. The vanishing of the homogeneous product sum on three letters.....	619
WERMER, JOHN. Dirichlet algebras.....	373
WRIGHT, FRED B. Structure of measurable transformations.....	625
YANG, C. T. AND GERSTENHABER, MURRAY. Division rings containing a real closed field.....	461
ERRATA	629





